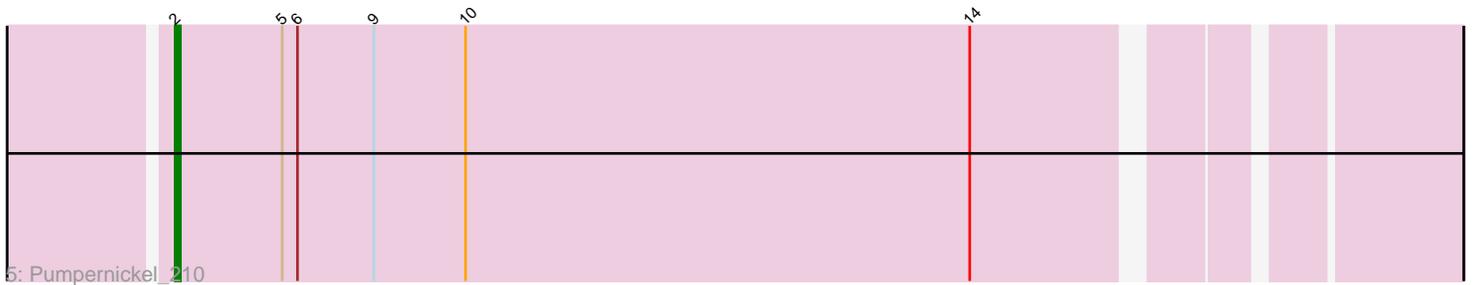
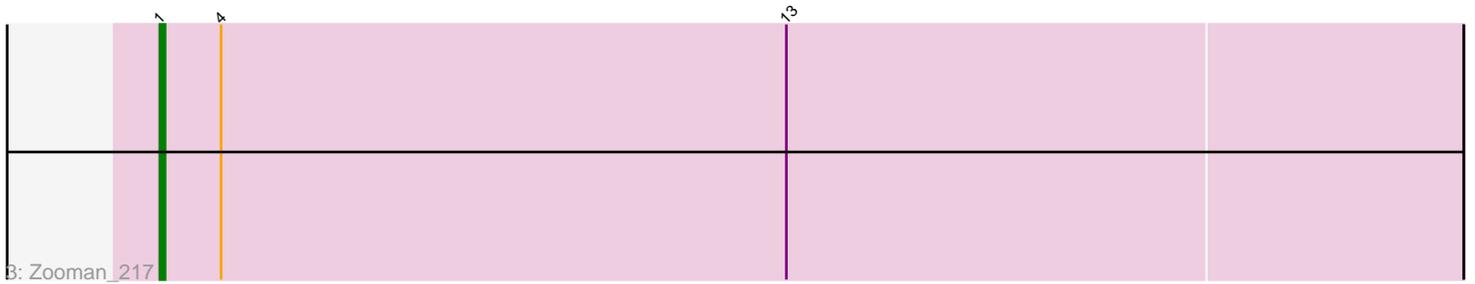
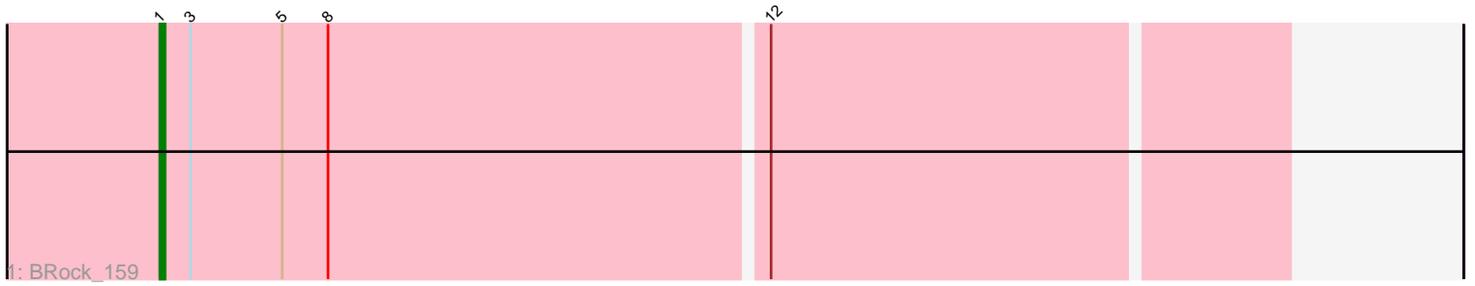


Pham 282795



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 282795 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282795 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : BRock_159
- Track 2 : Big4_234
- Track 3 : Zooman_217
- Track 4 : Cece_221
- Track 5 : Pumpernickel_210

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BRock_159, Big4_234, Cece_221, Zooman_217,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

- Pumpernickel_210,

Summary by start number:

Start 1:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BRock_159 (BS), Big4_234 (GD2), Cece_221 (GD3), Zooman_217 (GD2),

Start 2:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pumpernickel_210 (GD4),

Summary by clusters:

There are 4 clusters represented in this pham: GD2, GD3, GD4, BS,

Info for manual annotations of cluster BS:

- Start number 1 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster GD2:

- Start number 1 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 1 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 2 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: BRock_159 Start: 83813, Stop: 84028, Start Num: 1

Candidate Starts for BRock_159:

(Start: 1 @83813 has 4 MA's), (3, 83819), (5, 83837), (8, 83846), (12, 83930),

Gene: Big4_234 Start: 134767, Stop: 135021, Start Num: 1

Candidate Starts for Big4_234:

(Start: 1 @134767 has 4 MA's), (4, 134779), (7, 134797),

Gene: Cece_221 Start: 135065, Stop: 135310, Start Num: 1

Candidate Starts for Cece_221:

(Start: 1 @135065 has 4 MA's), (3, 135071), (9, 135107), (11, 135158), (15, 135293), (16, 135299),

Gene: Pumpernickel_210 Start: 119677, Stop: 119916, Start Num: 2

Candidate Starts for Pumpernickel_210:

(Start: 2 @119677 has 1 MA's), (5, 119698), (6, 119701), (9, 119716), (10, 119734), (14, 119833),

Gene: Zooman_217 Start: 133387, Stop: 133641, Start Num: 1

Candidate Starts for Zooman_217:

(Start: 1 @133387 has 4 MA's), (4, 133399), (13, 133510),